

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	04/07/2015 04/07/2015	Bob Duffey

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_LD0001G_01_s_2013_5				
Action/Comments					
Inspector Comments: The LMA has copies of the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_LD0001G_01_s_2013_9				
Action/Comments					
Inspector Comments: The LMA has adequate emergency supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_LD0001G_01_s_2013_14				
Action/Comments					
Inspector Comments: The LMA has completed flood fight training in the past.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Right	12.23	04/07/2015 04/07/2015	Bob Duffey

LM Start	0.89	Rating **	A	Issue No.	43
LM End	0.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.489262 °	39.489262 °
				-122.020590 °	-122.020590 °
DWR ID	DWR_LD0001G_01_s_2015_43				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP_2015_LD0001G_432_43_20150428_00047.jpg



View of the levee with vegetation on both slopes.

LM Start	1.20	Rating **	M	Issue No.	1
LM End	1.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.493423 °	39.493423 °
				-122.018885 °	-122.018885 °
DWR ID	DWR_LD0001G_01_s_2012_1				
Action/Comments					
Debris					

Photo 1 of 1 : SP_2015_LD0001G_432_1_20150310_00001.jpg



View of the debris & garbage along the W/S toe.

LM Start	1.22	Rating **	A/W	Issue No.	59
LM End	1.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.493667 °	39.493667 °
				-122.018643 °	-122.018643 °
DWR ID	DWR_LD0001G_01_s_2015_59				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: The levee district has a rodent program in place.					

Photo 1 of 1 : SP_2015_LD0001G_432_59_20150428_00049.jpg



View of the rodent holes along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 Sacramento River	Right	12.23	04/07/2015 04/07/2015	Bob Duffey

LM Start	2.80	Rating **	A/W	Issue No.	50
LM End	2.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.509503 °	39.509503 °
				-122.008732 °	-122.008732 °
DWR ID	DWR_LD0001G_01_f_2014_50				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : SP_2015_LD0001G_432_50_20150310_00016.jpg



View of the rodent activity along the landside slope.

LM Start	3.09	Rating **	M	Issue No.	51
LM End	3.09	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.513485 °	39.513485 °
				-122.009593 °	-122.009593 °
DWR ID	DWR_LD0001G_01_f_2014_51				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : SP_2015_LD0001G_432_51_20150310_00017.jpg



View of the rodent activity along the landside slope.

LM Start	3.17	Rating **	M	Issue No.	16
LM End	3.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.514378 °	39.514378 °
				-122.010306 °	-122.010306 °
DWR ID	DWR_LD0001G_01_s_2012_16				
Action/Comments					
Prunings					

Photo 1 of 1 : SP_2015_LD0001G_432_16_20150310_00009.jpg



View of the pruning pile along the L/S toe.

* Location		** Rating		+ Issue Type	
LS : Land Side N/A : Not Applicable		A : Acceptable N : Not Inspected/Rated		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable C : Corrected		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable A/W : Acceptable but Monitor & Maintain		En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	04/07/2015 04/07/2015	Bob Duffey

LM Start	3.86	Rating **	M	Issue No.	23
LM End	3.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.523660 °	39.523660 °
				-122.010863 °	-122.010863 °
DWR ID	DWR_LD0001G_01_s_2012_23				
Action/Comments					
Equipment					

No Photos

LM Start	3.88	Rating **	A/W	Issue No.	395
LM End	3.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.523845 °	39.523845 °
				-122.010745 °	-122.010745 °
DWR ID	DWR_LD0001G_01_s_2012_395				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : SP_2015_LD0001G_432_395_20150310_00024.jpg



View of the rodent holes along the L/S toe.

LM Start	3.88	Rating **	M	Issue No.	52
LM End	3.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.523855 °	39.523855 °
				-122.010762 °	-122.010762 °
DWR ID	DWR_LD0001G_01_f_2014_52				
Action/Comments					
Prunings					

Photo 1 of 1 : SP_2015_LD0001G_432_52_20150310_00018.jpg



View of the prunings along the landside toe.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	04/07/2015 04/07/2015	Bob Duffey

LM Start	5.06	Rating **	M	Issue No.	57
LM End	5.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.534593 °	39.534593 °
				-121.995950 °	-121.995950 °
DWR ID	DWR_LD0001G_01_f_2013_57				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : SP_2015_LD0001G_432_57_20150310_00023.jpg



View of the vehicle erosion along the slope of the levee.

LM Start	5.08	Rating **	A/W	Issue No.	7
LM End	5.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.534741 °	39.535738 °
				-121.996024 °	-121.996570 °
DWR ID	DWR_LD0001G_01_f_2012_7				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : SP_2015_LD0001G_432_7_20150310_00004.jpg



View of the rodent hole along the levee slope.

LM Start	5.54	Rating **	M	Issue No.	25
LM End	5.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.541042 °	39.541454 °
				-121.999276 °	-121.999521 °
DWR ID	DWR_LD0001G_01_s_2012_25				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	04/07/2015 04/07/2015	Bob Duffey

LM Start	5.90	Rating **	A/W	Issue No.	33
LM End	6.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.545942 °	39.548203 °
				-122.001185 °	-122.001464 °
DWR ID	DWR_LD0001G_01_f_2014_33				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	6.22	Rating **	M	Issue No.	47
LM End	6.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.550533 °	39.550533 °
				-122.002319 °	-122.002319 °
DWR ID	DWR_LD0001G_01_s_2014_47				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : SP_2015_LD0001G_432_47_20150310_00013.jpg



View of the rodent activity along the l/s slope.

LM Start	6.26	Rating **	C	Issue No.	13
LM End	6.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.551068 °	39.551238 °
				-122.002450 °	-122.002498 °
DWR ID	DWR_LD0001G_01_s_2012_13				
Action/Comments					
Prunings					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Unit No. 01 Sacramento River	Right	12.23	04/07/2015 04/07/2015	Bob Duffey

LM Start	6.56	Rating **	A/W	Issue No.	10
LM End	6.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.555274 °	39.555274 °
				-122.003505 °	-122.003505 °
DWR ID	DWR_LD0001G_01_s_2012_10				
Action/Comments					
Environmental Requirements.					

Photo 1 of 1 : SP_2015_LD0001G_432_10_20150310_00006.jpg



View of the Army Corps of Engineers mitigation site.

LM Start	8.05	Rating **	M	Issue No.	20
LM End	8.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.576580 °	39.578187 °
				-122.004962 °	-122.005218 °
DWR ID	DWR_LD0001G_01_s_2012_20				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : SP_2015_LD0001G_432_20_20150310_00010.jpg



View of the trees and vegetation along the waterside slope of the levee.

LM Start	9.50	Rating **	A/W	Issue No.	8
LM End	10.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.596192 °	39.607288 °
				-122.002573 °	-121.994565 °
DWR ID	DWR_LD0001G_01_s_2012_8				
Action/Comments					
Environmental Requirements.					

Photo 1 of 1 : SP_2015_LD0001G_432_8_20150310_00005.jpg



View of the Army Corps of Engineers mitigation site.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
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Unit No. 01 Sacramento River	Right	12.23	04/07/2015 04/07/2015	Bob Duffey

LM Start	9.57	Rating **	M	Issue No.	11
LM End	9.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.597078 °	39.597078 °
				-122.002127 °	-122.002127 °
DWR ID	DWR_LD0001G_01_s_2012_11				
Action/Comments					
Debris					

Photo 1 of 1 : SP_2015_LD0001G_432_11_20150310_00007.jpg



View of debris along the toe of the levee.

LM Start	11.55	Rating **	M	Issue No.	48
LM End	11.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.622652 °	39.622652 °
				-121.999185 °	-121.999185 °
DWR ID	DWR_LD0001G_01_s_2014_48				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : SP_2015_LD0001G_432_48_20150310_00014.jpg



View of the rodent activity along the waterside slope.

LM Start	11.67	Rating **	M	Issue No.	42
LM End	11.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.624171 °	39.625823 °
				-121.999967 °	-122.000834 °
DWR ID	DWR_LD0001G_01_s_2012_42				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

* Location		** Rating		+ Issue Type	
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WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
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Unit No. 01 Sacramento River	Right	12.23	04/07/2015 04/07/2015	Bob Duffey

LM Start	11.91	Rating **	M	Issue No.	44
LM End	11.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.627423 °	39.628278 °
				-122.001562 °	-122.001818 °
DWR ID	DWR_LD0001G_01_s_2012_44				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

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